

LBNE “Weekly” Status Report
8 October 2010
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CD-1 Document Preparation

CDR

- Volume 1 - *Overview and Science*: Have incorporated the contents of the report from the LBNE collaboration Physics Working Group.
- Volume 2 - *Neutrino Beamline*: Complete draft posted on 16 September for the Project Manager’s review of the beamline (20-24 September)
- Volume 3 - *Near Detector*: Complete draft posted 29 September for the Project Manager’s review of the near detector (4-5 October)
- Volume 4 - *Water Cherenkov Detector*: Complete draft posted on 17 September for the Project Manager’s review of the water Cherenkov Detector (27-29 September)
- Volume 5 - *Liquid Argon TPC*: First draft with content for all chapters posted on 29 September. Complete draft must be posted in advance of the Project Manager’s review of the LAr TPC (early November).
- Volume 6 - *Conventional Facilities at Fermilab*: Last complete draft dated 28 July. Working on requirements document, which will form the basis of the next draft, which must be posted by 25 October, in advance of the Project Manager’s review of Conventional Facilities (early November).
- Volume 7 - *Conventional Facilities at DUSEL*: This will be assembled from: parts of the DUSEL PDR, which is currently under intense development, reports from Jacobs regarding LAr underground facilities, report from Arup regarding waste rock handling, due 31 October, and a report from HDR regarding surface facilities, due 31 October. It will be difficult to pull together a complete CDR draft before the Project Manager’s review of Conventional Facilities (early November).

Alternative Analysis A complete draft has been submitted to DOE, comments have been returned, and these have been incorporated into a new draft. It has been sent to Jon Kotcher for discussion.

Acquisition Plan A template has been distributed to each Level 2 manager, requesting 2-3 pages describing how they plan to acquire major pieces of their sub-projects. These are to be returned to the Project Office for editing into a complete document by late October.

Preliminary Project Management Plan Slow progress in collecting sub-project-specific information from Level 2 managers. This requires more attention from the Project Manager.

DUSEL-LBNE MOU Writing assignments for many sections were made in a meeting on 2 September between DUSEL and LBNE Project Offices. A new meeting needs to be scheduled to assess progress and make new assignments. A meeting was held this week including DUSEL and LBNE management and the DOE site office, and a preferred mode of funding flow from DOE to DUSEL to support LBNE conventional facilities work.

Risk Management Plan A reasonably complete draft exists, but it needs to be updated to incorporate the idea of an external Risk Review Panel, to supplement the internal Risk Management Board.

Risk Assessment Collecting and analyzing data into Risk Registry. Plan to have “prototype” meeting of Risk Review Board sometime in October.

QA Plan Advanced draft presented to Director’s Review in July. Little progress since then.

Preliminary Hazard Assessment Some data have been entered in the Hazard Matrix. Recent update to the WCD hazard matrix for the Project Manager’s Review. Work towards an ODH analysis for the Liquid Argon TPC has been initiated.

NEPA Strategy A PO has been issued to ANL to develop an EA. The four component of the kickoff meeting were held 30 September; the sit-down portion has been postponed.

Preliminary Resource Loaded Schedule Each subproject has been developing its own RLS in its own format. With a Project Controls Lead on board, we are working towards a common scheme. Individual sub-project RLS are being reviewed as part of the series of Project Manager’s Level 2 reviews.

Staffing

Project Controls With the addition of a temporary (2 month) assignment of a project controls professional at BNL to the WCD, the project controls team is fully staffed, with one person assigned to each subproject, and an overall lead, for a total of six. Four of these, including the Lead, are contractors. We are restarting the search for a staff Lead, and have selected three candidates to interview.

Beam Level 2 Project Engineer Our candidate, Michael Campbell, has accepted our offer and is scheduled to start on November 1.

LAr Cryogenics and Cryostat Level 3 Manager Barry Norris of the Fermilab Technical Division (TD) has begun work on this job, backed up by additional cryogenic engineering from TD.

CF Far Site Level 3 Manager Currently David Taylor of DUSEL is serving in an acting role. We have an approved opening and expect to start advertising next week.

Computing Coordinator Eileen Berman of the Fermilab Computing Division has begun to serve in this role, initially on a part-time basis.

Reviews

A Project Manager's Conceptual Design, Cost and Schedule Review of the Neutrino Beamline was held on 20-22 October at Fermilab. The review web page is http://lbne.fnal.gov/reviews/beam_review.shtml. The final review report is posted at <http://lbne2-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=2769>.

A Project Manager's Conceptual Design, Cost and Schedule Review of the Water Cherenkov Detector was held on 27-29 October at BNL. The review web page is http://lbne.fnal.gov/reviews/WCD_review.shtml. The review report will be posted by the middle of next week at <http://lbne2-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=2799>.

A Project Manager's Conceptual Design, Cost and Schedule Review of the Near Detector was held on 4-5 October at LANL. The review web page is http://lbne.fnal.gov/reviews/ND_review.shtml. The review report will be posted next week at <http://lbne2-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=2822>.

A Project Manager's Conceptual Design, Cost and Schedule Review of the Liquid Argon TPC is scheduled for 1-3 November at Fermilab, and the review committee is in place except for one member who is still being sought. A web page will be created and populated with the Volume 5 of the CDR and other relevant information at least a week before the review.

A Project Manager's Conceptual Design, Cost and Schedule Review of LBNE Conventional Facilities is in the process of being planned. It will take place in early November, with the precise dates depending on the availability of reviewers and key members of the conventional facilities team.

Other Events

A briefing for DOE/OHEP by the LBNE Project is being planned, tentatively for the week of 29 November.

A list of recent and future LBNE-related reviews, meetings and other important events is posted at <http://lbne.fnal.gov/calendar-events.shtml>.